

Modern Concepts of Cardiovascular Disease

AUTHOR INDEX

Volumes XLII-XLIII

1973-1974

A

Atkinson, Arthur J., Jr., 1

B

Buehler, John H., 113

C

Cade, J. F., 17
Campbell, E. J. M., 17
Carleton, Richard A., 87
Castaneda, Aldo R., 53
Chatterjee, Kanu, 119
Coon, William W., 71

D

Dalenberg, Robert V. R., 29

E

Escher, Doris J. W., 77

F

Finnerty, Frank A., Jr., 33, 37
Fyler, Donald C., 53

G

Gorlin, Richard, 5
Gracey, Douglas R., 113

J

Jennings, Robert B., 125
Johnson, Allen D., 87

K

Kirkendall, Walter M., 47

L

Lefer, Allan M., 59
Lesch, Michael, 5
Lundbæk, Knud, 103

M

Mason, Dean T., 41
Massumi, Rashid A., 41
McGoon, Dwight C., 65
Mitchell, Shiela C., 97

N

Nadas, Alexander S., 53
Neufeld, Henry N., 93

O

O'Brien, J. R., 11
Overturf, Merrill, 47

P

Paul, Oglesby, 99
Pluth, James R., 65

R

Rebuck, A. S., 17
Reimer, Keith A., 125
Resnekov, Leon, 81
Rosen, Kenneth M., 23

S

Swan, H. J. C., 119

V

Vera, Zakauddin, 41

W

White, Paul Dudley, 109

Copyright © 1973 and 1974 by THE AMERICAN HEART ASSOCIATION, INC.

44 East 23rd Street, New York, New York 10010

All Rights Reserved

Printed and Bound in the U.S.A.

Modern Concepts of Cardiovascular Disease

CONTENTS

Volume XLII: January–December, 1973

CLINICAL USE OF BLOOD LEVELS OF CARDIAC DRUGS, <i>Arthur J. Atkinson, Jr.</i>	1
PHARMACOLOGICAL THERAPY OF ANGINA PECTORIS, <i>Michael Lesch and Richard Gorlin</i>	5
THE MECHANISMS OF VENOUS THROMBOSIS: ANTICOAGULANTS, ASPIRIN, AND HEPARIN, <i>J. R. O'Brien</i>	11
PULMONARY ASPECTS OF MYOCARDIAL INFARCTION, <i>A. S. Rebusk, J. F. Cade, and E. J. M. Campbell</i>	17
CATHETER RECORDING OF HIS BUNDLE ELECTROGRAMS, <i>Kenneth M. Rosen</i>	23
CORONARY HEART DISEASE AND THE LAW, <i>Robert V. R. Dalenberg</i>	29
DRUGS USED IN THE TREATMENT OF HYPERTENSION, <i>Frank A. Finnerty, Jr.</i>	33
CRITICAL CONSIDERATIONS IN THE TREATMENT OF ARTERIAL HYPERTENSION, <i>Frank A. Finnerty, Jr.</i>	37
THE WOLFF-PARKINSON-WHITE SYNDROME: A NEW LOOK AT AN OLD PROBLEM, <i>Rashid A. Massumi, Zakauddin Vera, and Dean T. Mason</i>	41
PLASMA RENIN ACTIVITY AND SYSTEMIC ARTERIAL HYPERTENSION, <i>Walter M. Kirkendall and Merrill Overturf</i>	47
THE CRITICALLY ILL INFANT WITH CONGENITAL HEART DISEASE, <i>Alexander S. Nadas, Donald C. Fyler, and Aldo R. Castaneda</i>	53
ROLE OF A MYOCARDIAL DEPRESSANT FACTOR IN SHOCK STATES, <i>Allan M. Lefer</i>	59

Volume XLIII: January–December, 1974

CURRENT STATUS OF HEART VALVE REPLACEMENT, <i>James R. Pluth and Dwight C. McGoon</i>	65
OPERATIVE THERAPY OF VENOUS THROMBOEMBOLISM, <i>William W. Coon</i>	71
FOLLOW-UP OF THE PATIENT WITH AN IMPLANTED CARDIAC PACEMAKER, <i>Doris J. W. Escher</i>	77
MECHANICAL ASSISTANCE FOR THE FAILING VENTRICLE, <i>Leon Resnekov</i>	81
CORONARY ARTERIAL SPASM: A CLINICAL ENTITY? <i>Richard A. Carleton and Allen D. Johnson</i>	87
PRECURSORS OF CORONARY ARTERIOSCLEROSIS IN THE PEDIATRIC AND YOUNG ADULT AGE GROUPS, <i>Henry N. Neufeld</i>	93
COMMENTARY, <i>Shiela C. Mitchell</i>	97
A SURVEY OF THE EPIDEMIOLOGY OF HYPERTENSION, 1964–1974, <i>Oglesby Paul</i>	99
DIABETIC ANGIOPATHY, <i>Knud Lundbaek</i>	103
THE HISTORICAL BACKGROUND OF ANGINA PECTORIS, <i>Paul Dudley White</i>	109
LABORATORY DIFFERENTIATION OF CARDIAC AND PRIMARY PULMONARY DYSPNEA, <i>John H. Buehler and Douglas R. Gracey</i>	113
VASODILATOR THERAPY IN ACUTE MYOCARDIAL INFARCTION, <i>Kanu Chatterjee and H. J. C. Swan</i>	119
SALVAGE OF ISCHEMIC MYOCARDIUM, <i>Robert B. Jennings and Keith A. Reimer</i>	125

Modern Concepts of Cardiovascular Disease

SUBJECT INDEX

Volumes XLII-XLIII

1973-1974

A

- β -Adrenergic blocking agents, in therapy of angina pectoris, 5
- Airflow parameters, in differentiating cardiac and primary pulmonary dyspnea, 113
- Angina pectoris:
 - historical background of, 109
 - pharmacological therapy of, 5
 - variant, and coronary arterial spasm, 87
- Angiopathy, diabetic, 103
- Anticoagulants, used in venous thrombosis, 11
- Antihypertensive drugs, contraindications, side effects, treatment for side effects, 33, 37
- Arrhythmias, catheter recording of His bundle electrograms, 23. *See also* Tachycardias
- Arterial hypertension:
 - pharmacological therapy, 33, 37
 - systemic, plasma renin activity and, 47
 - treatment of, 37
- Arterial spasm, coronary, 87
- Arteriosclerosis, precursors in pediatric and young adult age groups, 93
- Aspirin, therapy of venous thrombosis, 11
- Assistance, mechanical. *See* Mechanical assistance
- Atrioventricular conduction:
 - block, 23
 - dual pathways, 23, 41
 - evaluated by His bundle electrograms, 23
 - in Wolff-Parkinson-White syndrome, 41
- Azotemia, treatment of patients with arterial hypertension and, 37

B

- Beta-adrenergic blocking agents, in therapy of angina pectoris, 5
- Block, heart. *See* Conduction disease
- Blood gases, laboratory differentiation of cardiac and primary pulmonary dyspnea, 113
- Breathing, analysis of in differentiating cardiac and primary pulmonary dyspnea, 113
- Bypass pumps, for assistance to failing ventricle, 81

C

- Cardiac drugs, clinical use of blood levels of, 1
- Cardiac glycosides, clinical use of blood levels of, 1
- Cardiogenic shock, mechanical assistance for the failing ventricle, 81
- Catheter recording, of His bundle electrograms, 23
- Catheterization, in the critically ill infant with congenital heart disease, 53
- Children:
 - congestive heart failure in infants, 53
 - the critically ill infant with congenital heart disease, 53
 - precursors of coronary arteriosclerosis in, 93
- Circulatory assistance, mechanical, for the failing ventricle, 81
- Circulatory shock, role of a myocardial depressant factor in, 59
- Compensation, legal aspects of coronary heart disease in cases involving, 29
- Conduction disease:
 - atrioventricular block, 23
 - catheter recording of His bundle electrograms, 23
 - dual atrioventricular conduction pathways, 23, 41
 - Wolff-Parkinson-White syndrome, 23, 41
- Congenital heart disease, the critically ill infant with, 53
- Congestive heart failure:
 - dyspnea in, differentiated from primary pulmonary dyspnea, 113
 - in infants, 53
- Coronary arterial spasm, 87
- Coronary artery disease:
 - angina pectoris in patients with, 5
 - arteriosclerosis in young people, 93
 - coronary arterial spasm, 87
- Coronary heart disease, legal aspects in compensation cases, 29
- Counterpulsation:
 - and diastolic augmentation for failing ventricle, 81
 - external, combined with vasodilator therapy in acute myocardial infarction, 119
 - intra-aortic balloon pump, 81

Court decisions, in compensation cases involving coronary heart disease, 29

D

Diabetic angiopathy, 103

Diagnosis:

catheter recording of His bundle electrograms, 23

of congenital heart disease in critically ill infants, 53

of coronary arterial spasm, 87

laboratory differentiation of cardiac and primary pulmonary dyspnea, 113

plasma renin activity data and systemic arterial hypertension, 47

Wolff-Parkinson-White syndrome, 23, 41

Diastolic augmentation and counterpulsation, assistance for the failing ventricle, 81

Diazoxide, in treatment of hypertension, 33

Digitoxin, clinical use of blood levels of, 1

Digoxin, clinical use of blood levels of, 1

Diphenylhydantoin (DPH), clinical use of blood levels of, 1

Diuretics, in treatment of hypertension, 33, 37

Drugs:

β -adrenergic blocking agents in therapy of angina, 5

in angina therapy, 5

anticoagulants in therapy of venous thrombosis, 11

antihypertensive, 33, 37

cardiac, clinical use of blood levels of, 1

diuretics in treatment of hypertension, 33, 37

nitrites, 5, 87, 119

thiazides, in treatment of hypertension, 33, 37

Dual atrioventricular conduction pathways:

His bundle electrograms, 23

in Wolff-Parkinson-White syndrome, 41

Dyspnea, laboratory differentiation between cardiac and primary pulmonary, 113

E

Electrocardiogram, in Wolff-Parkinson-White syndrome, 41

Electrograms, His bundle, catheter recording of, 23

Electrophysiology, His bundle electrograms in evaluation of conduction disease, 23

Embolectomy, pulmonary, for therapy of massive pulmonary embolism, 71

Epidemiology, of hypertension, 1964-1974, 99

External counterpulsation, combined with vasodilator therapy in acute myocardial infarction, 119

Eye, lesions in diabetic angiopathy, 103

F

Femoral vein ligation, for therapy of venous thromboembolism, 71

G

Gas flow parameters, in differentiating cardiac and primary pulmonary dyspnea, 113

Glycosides, cardiac, clinical use of blood levels of, 1

Guanethidine, in treatment of hypertension, 33, 37

H

Heart:

angina pectoris, 5, 87, 109

block, evaluated by His bundle electrograms, 23

conduction disease, 23, 41

coronary arterial spasm, 87

disease. *See* Heart disease

failure. *See* Heart failure

pacemakers, implanted; types, functions, follow-up, 77

valves, replacement, 65

Heart disease:

conduction disease, 23, 41

congenital, in the critically ill infant, 53

coronary arteriosclerosis, precursors in children and young adults, 93

coronary artery disease, 5, 87

legal aspects in compensation cases, 29

Heart failure:

congestive, 53, 113

mechanical assistance for failing ventricle, 81

Heart valves, replacement, current status, 65

Heparin, therapy of venous thrombosis, 11

His bundle electrograms, catheter recording of, 23

Hydralazine, in treatment of hypertension, 33, 37

Hypertension:

antihypertensive drugs, 33, 37

arterial, treatment of, 37

drugs used in treatment of, 33, 37

epidemiology of, 1964-1974, 99

systemic arterial, and plasma renin activity, 47

I

Implanted cardiac pacemakers; types, functions, and follow-up, 77

Infants, critically ill, with congenital heart disease, 53. *See also* Children

Infarction. *See* Myocardial infarction

Inferior vena cava, ligation or partial interruption for therapy of venous thromboembolism, 71

Intra-aortic balloon pump counterpulsation, for the failing ventricle, 81

Ischemia, salvage of ischemic myocardium, 125

K

Kidney, function in diabetic angiopathy, 103

L

Law, coronary heart disease in legal cases, 29

Lidocaine, clinical use of blood levels of, 1

Ligation, of femoral vein or inferior vena cava, for therapy of venous thromboembolism, 71

Lung:

airflow parameters, 113

laboratory differentiation of cardiac and primary pulmonary dyspnea, 113

pulmonary dysfunction and myocardial infarction, 17

pulmonary embolectomy, 71

volumes, in congestive heart failure and chronic obstructive lung disease, 113

M

Macroangiopathy, diabetic, 103

MDF. *See* Myocardial depressant factor

Mechanical assistance:

for the failing ventricle, 81

implanted cardiac pacemakers, 77

Methyldopa, in treatment of hypertension, 33, 37

Microangiopathy, diabetic, 103

Mitral regurgitation, vasodilator therapy for pump failure precipitated by, 119

Myocardial depressant factor (MDF), role in shock states, 59

Myocardial infarction:

mechanical assistance for the failing ventricle, 81

pulmonary aspects of, 17

vasodilator therapy in, 119

Myocardium:

infarction. *See* Myocardial infarction

ischemia, salvage of myocardium, 125

myocardial depressant factor, role in shock states, 59

oxygen consumption and supply, and angina pectoris, 5

N

Nitrates:

in reversing coronary arterial spasm, 87

in therapy of acute myocardial infarction, 119

in therapy of angina pectoris, 5

Nitroglycerin, in therapy of angina pectoris, 5, 87

Nitroprusside, therapy in acute myocardial infarction, 119

O

Obstructive lung disease, dyspnea in, differentiation from cardiac dyspnea, 113

Operations. *See* Surgery

Ophthalmological changes, in diabetic angiopathy, 103

Oxygen:

myocardial consumption and supply, and angina pectoris, 5

therapy for pulmonary complications of myocardial infarction, 17

P

Pacemakers, implanted; types, functions, and follow-up, 77

Paroxysmal supraventricular tachycardia, catheter recording of His bundle electrograms, 23

Partial interruption of inferior vena cava, for therapy of venous thromboembolism, 71

Pediatric arteriosclerosis, precursors, 93

Pharmacological agents. *See* Drugs

Phentolamine, therapy in acute myocardial infarction, 119

Plasma renin activity, and systemic arterial hypertension, 47

Platelets, changes in and function tests, in venous thrombosis, 11

Procainamide, clinical use of blood levels of, 1

Propranolol:

in treatment of hypertension, 37

use in myocardial ischemic injury, 125

Prostheses, for heart valve replacement, 65

Pulmonary dysfunction, and myocardial infarction, 17

Pulmonary dyspnea, differentiation from cardiac dyspnea, 113

Pulmonary embolectomy, for therapy of massive pulmonary embolism, 71

Pump failure, complicating myocardial infarction, vasodilator therapy for, 119

Pumps, bypass, for assistance to failing ventricle, 81

Q

Quinidine, clinical use of blood levels of, 1

R

Renal failure, treatment of patients with arterial hypertension and, 37

Renal function, in diabetic angiopathy, 103

Renin, plasma renin activity and systemic arterial hypertension, 47

Replacement of heart valves, current status, 65
Reserpine, in treatment of hypertension, 33, 37
Risk factors, in coronary arteriosclerosis in
children and young adults, 93

S

Shock:
cardiogenic, mechanical assistance for the
failing ventricle, 81
role of myocardial depressant factor (MDF)
in, 59
Spasm, coronary arterial, 87
Supraventricular tachycardia, catheter recording
of His bundle electrograms, 23
Surgery:
management of the critically ill infant with
congenital heart disease, 53
pulmonary embolectomy for massive pulmonary
embolism, 71
for therapy of venous thromboembolism, 71
Systemic arterial hypertension, and plasma renin
activity, 47

T

Tachycardias:
catheter recording of His bundle electrograms,
23
paroxysmal supraventricular, 23
in Wolff-Parkinson-White syndrome, 23, 41
Therapy:
angina pectoris, pharmacological, 5
arterial hypertension, 33, 37, 47
blood levels of cardiac drugs, 1
coronary arterial spasm, 87
in the critically ill infant with congenital heart
disease, 53
diabetic angiopathy, 103
heart valve replacement, current status, 65
hypertension, 33, 37, 47, 99
mechanical assistance for the failing ventricle,
81
myocardial infarction, 17, 81, 119
pharmacological. *See* Drugs

plasma renin activity data in treatment of
systemic arterial hypertension, 47
salvage of ischemic myocardium, 125
surgical. *See* Surgery
vasodilator, for acute myocardial infarction, 119
venous thromboembolism, operative, 71
venous thrombosis, 11
Wolff-Parkinson-White syndrome, 41

Thiazides, and related diuretics, in treatment of
hypertension, 33, 37

Thrombectomy, for therapy of venous
thromboembolism, 71

Thromboembolism:
pulmonary, complicating myocardial infarction,
17
venous, operative therapy of, 71
Thrombosis, venous, mechanisms of, 11

V

Valves, heart, replacement; current status, 65
Vascular disease, diabetic angiopathy, 103
Vasodilators, therapy in acute myocardial
infarction, 119
Vena cava, inferior, ligation or partial interruption
for therapy of venous thromboembolism,
71
Venous thromboembolism, operative therapy of,
71
Venous thrombosis, mechanisms of, 11
Ventricle, failing, mechanical assistance for, 81
Ventricular tachycardia, paroxysmal
supraventricular, His bundle
electrograms, 23

W

Wolff-Parkinson-White syndrome, 23, 41
Workmen's Compensation cases, legal aspects of
coronary heart disease in, 29

Y

Young adults, precursors of coronary
arteriosclerosis in, 93

INDEX

XU